

BARTON-UPON-IRWELL  
RURAL DISTRICT COUNCIL.

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**ANNUAL REPORT**

**FOR 1914.**

BY

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# MEDICAL OFFICER'S REPORT.

UNION OFFICES,

PATRICROFT,

*March, 1915.*

*To the Barton-upon-Irwell Rural District Council.*

GENTLEMEN,

I have the honour of submitting to you my Third Annual Report on the health and sanitary condition of your district for the year 1914.

## AREA AND POPULATION.

The acreage and estimated population of the different Townships in the district for the year 1914 are as follows :—

TOWNSHIP	Area in Acres	Population (Census) 1911	Estimated Population, 1914
Barton Moss.....	1407	208	210
Davyhulme ... ..	2701	1429	1532
Flixton .....	1564	4845	5190
Clifton .....	1193	2743	2820
Whole District.....	6865	9225	9752

## BIRTHS.

The number of births registered during the year was 194, or 3 less than the previous year; this gives a birth-rate of 19·8 per 1,000 population, as against 20·6 in 1913; the average birth-rate for the previous five years being 22·8.

The sex of the children born and the birth-rate of the separate Townships are given below :—

TOWNSHIP	Males	Females	Total	Birth Rate
Barton Moss .....	—	4	4	19
Davyhulme .....	13	11	24	15·6
Flixton .....	56	50	106	20·4
Clifton .....	24	36	60	21·2
Whole District .....	93	101	194	19·8

The female births this year are in excess of the male births by eight. Clifton having the highest birthrate.

To the total of 194 births, as shewn in the preceding table, three must be added. These births have been transferred to your district by the Registrar General, making a total of 197 births and a birth-rate of 20·2. Three of the births registered were illegitimate.

## DEATHS.

The number of deaths registered during the year was 111, or 9 less than in the previous year. This number gives a death-rate of 11·3 as compared with 12·5 in 1913. Included in the deaths are 16 which have been transferred. These are deaths of residents not registered in the district. Nine deaths occurred in the district of non-residents.

Out of the 111 deaths 41 occurred in persons of 65 years of age and upwards ; the principal causes of death in this number being senility, cerebral hoëmorrhage, bronchitis, and cancer.

The following Table shows the sex of the persons dying, and the death-rates in the different localities of the district:—

TOWNSHIP	Males	Females	Total	Death Rate
Barton Moss .....	1	1	2	9·5
Davyhulme .....	9	5	14	9·1
Flixton .....	29	37	66	12·7
Clifton .....	14	15	29	10·2
Whole District .....	53	58	111	11·3

### INFANT MORTALITY.

Nineteen deaths occurred in children under one year of age. This number is slightly lower than in the previous year and gives a death-rate of 94·6 per 1,000 births, as compared with 110·5 in 1913. Two of these deaths were due to pneumonia, one to whooping cough, one to bronchitis, and the rest from various causes.

The following Table shows the number of deaths from all causes, and including the principal infectious diseases, viz., small-pox, enteric fever, measles, whooping cough, diphtheria and membranous croup, from phthisis and from respiratory diseases:—

TOWNSHIP	All Causes		Infectious Diseases		Phthisis		All Respiratory Diseases	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate
Barton Moss.....	2	9·5	—	—	—	—	—	—
Davyhulme ..	14	9·1	—	—	—	—	1	·6
Flixton .....	66	12·7	2	·4	4	·8	14	2·6
Clifton .....	29	10·2	2	·7	1	·3	6	2·1
Whole District.....	111	11·3	4	·4	5	·5	21	2·1

Respiratory diseases, comprising phthisis, bronchitis and pneumonia, accounted for 21 deaths, against 26 in 1913, 20 in 1912, and 18 in 1911 and 1910.

Phthisis accounted for 5 deaths, showing a death-rate of  $\cdot 5$ , against  $\cdot 4$  in 1913,  $\cdot 6$  in 1912 and 1911, and  $\cdot 4$  in 1910.

Only one death occurred from diarrhoea, the same as in 1913.

### INFECTIOUS DISEASES (other than Phthisis).

The cases of compulsory notifiable diseases notified during the year are shewn in Table III.

The number of cases notified were 64, which is very much higher than in the previous year, and is the highest number notified since 1910. The following is a list for the previous five years:—20 in 1913; 44 in 1912; 45 in 1911; 115 in 1910; and 89 in 1909.

Of the above 64 cases, 24 occurred in Flixton, 26 in Clifton, and 14 in Davyhulme.

### ENTERIC FEVER.

Only one case of this disease was notified, and occurred in Flixton. The source of infection could not be traced.

### SCARLET FEVER.

The number of Scarlet Fever notifications were 47, against 7 in 1913, 32 in 1912, 22 in 1911, 84 in 1910, and 66 in 1909.

Two deaths occurred from this disease during the year.

Eighteen of these cases occurred in Flixton, 11 in Davyhulme, and 18 in Clifton.

The number of cases notified were very much in excess of the previous year, and were somewhat scattered in Flixton and Clifton, but the cases occurring in Davyhulme were chiefly confined to Chapel Place area.

## DIPHTHERIA.

Four cases only of this disease were notified, against 5 in 1913, 7 in 1912, 10 in 1911, 24 in 1910, 9 in 1909.

Two cases occurred in Flixton, 1 in Davyhulme, and 1 in Clifton; all the cases recovered. No definite source of infection could be traced in any of the cases notified.

## SMALL-POX.

No case has occurred. We have a contract with the Salford Corporation for removal to their hospital of any case which might arise.

CEREBRO-SPINAL FEVER, ACUTE POLIOMYELITIS,  
AND OPHTHALMIA NEONATORUM.

No cases of these diseases, which are compulsory notifiable in the district have occurred.

## CASES REMOVED TO HOSPITAL.

Twenty-eight cases were removed to Hospital during the year—26 Scarlet Fever, 1 Diphtheria, and 1 Puerperal Fever.

Two cases of Scarlet Fever proved fatal.

METHOD OF DEALING WITH INFECTIOUS  
DISEASE.

Each case notified is visited at once; isolation is enjoined, either at home or by removal to Ladywell Sanatorium, and all children from the infected home are prevented from attending school until such time that a certificate of freedom of the house from infection is issued to the Schoolmaster.

Disinfection of wearing apparel, discharges, drains, and privies is carried out; and at the termination of the illness



the room and its contents are thoroughly fumigated with formaldehyde gas, such articles as require it being submitted to Lyon's superheated steam disinfecter, or destroyed and compensation granted.

Disinfectants, free of cost, are provided in each township. Careful inspection of the premises is always carried out, and defects, temporal or structural, are rectified.

A precautionary notice and a list of suggestions for preventing the spread of infectious disease is delivered at the house when the case is visited.

All houses where cases are isolated at home are frequently visited until the termination of the illness.

If there is suspicion that an unrecognised case is attending a school, the school is visited and the scholars examined. This has been necessary in one or two instances during the past year.

#### DIPHTHERIA ANTITOXIN ORDER, 1910.

Arrangements are made for the supply of Antitoxin in the different parts of the district, free of cost, for use of those patients who are too poor to pay for it.

#### PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Nineteen new cases under the above regulations have been notified during the year as follows :—

Pulmonary Tuberculosis .....	12
Other forms of Tuberculosis .....	7

When a case is notified, visits are made from time to time, and a card of instructions as to the best way of counteracting the disease is left at the house. Disinfectants and Sputum Handkerchiefs are supplied free when necessary.



## SCHOOLS.

Visits have been paid to certain schools in the district in connection with cases of Infectious Diseases. No suspicious cases were found to be attending school. I have found the weekly returns of sickness in school children issued by the Education Authority to be very helpful; these returns keep the department in touch with any illness arising amongst children attending school which might be of an infectious or detrimental character.

## MEDICAL INSPECTION OF SCHOOL CHILDREN.

This work is undertaken by the Lancashire County Education Authority.

## SALE OF FOOD AND DRUGS ACT.

The number of samples purchased in the district during the year was 63, particulars of which are given below :—

Ginger .....	4
Butter .....	4
Lard .....	5
Milk .....	33
Pepper .....	6
Coffee.....	6
Mustard .....	2
Whiskey .....	1
Rum .....	1
Pudding Spice .....	1
Total .....	63

I am very pleased to note that the County Police have displayed much more activity in the taking of samples under this Act during the past year, particularly with regard to milk. As is shewn in the preceding table, the total number of samples taken were 63 as against 29 in 1913, and I have no doubt the increase in this work will do much good. Fifty-nine of the samples were certified as genuine, while 4 samples of milk were found to be deficient in milk fat. In each case the Vendor was summoned and fined.

## MILK SUPPLY.

The Dairies and Cowsheds have been periodically visited by your Inspector and myself. These premises are kept in fairly good condition and regularly cleansed and limewashed. A number of alterations have been carried out to cowsheds in compliance with the regulations, and the general condition of these places has been very much improved.

No action has been taken by my Council or any other Authority, acting under special powers, in causing dairy cows in the district to be examined by Veterinary Surgeons.

## WATER SUPPLY.

The whole district, except a few scattered dwellings, is supplied by town's water, partly by Manchester, and partly by Bolton.

The water supplied is of good quality, and has always been found to be ample in quantity.

## SEWERAGE AND DRAINAGE.

The more densely-populated parts of the Township of Davyhulme are provided with main sewers.

No. 2 Scheme for the sewerage of the remaining portion of the district is still under consideration, and it is necessary that this scheme should be carried out with all possible speed, so that the sewage from Chapel Place, etc., can be efficiently dealt with, and the area put in a more sanitary condition.

Flixton—the sewage from this township is treated at the works provided jointly with the Urmston Urban District Council.

The Clifton sewage is treated at the Clough Sewage Works and the United Brook Sewage Works, and from the present quality of sewage delivered at the Clough Sewage Works, good effluents are obtained.

## EXCREMENT DISPOSAL.

In the Rural District there are about 570 privy middens, 1,280 water closets, 140 pail closets, and 12 waste water closets.

During the year, 57 privies have been converted to water closets, 7 additional w.c.'s have been provided.

## REMOVAL OF HOUSE REFUSE.

The removal of house refuse is carried out satisfactorily.

The work in Clifton and Davyhulme is let by contract. All bins and pail closets are emptied weekly, and the ashpits and privy middens at least four times a year.

In Flixton, the Council only contract for team labour, the ashpits, etc., are emptied by men directly employed by the Council. In this township there is also a weekly collection of bins and pails, whilst the ashpits are emptied at various periods and as often as necessary.

The privy middens are emptied during the night time in Flixton and in a portion of Davyhulme.

The refuse is disposed of at Refuse Tips and at Farms.

In Barton Moss, where the occupiers are mostly farmers, the work is undertaken by themselves.

## OFFENSIVE TRADES.

No additional works has been erected in Trafford Park. under Section 112 of the Public Health Act, 1875.

## SLAUGHTER-HOUSES.

The Slaughter-houses have been duly inspected and found satisfactory.

Although only four in number, they are so scattered that it is impossible to carry out a thorough inspection of the meat or carcasses before the organs are removed. They are visited as often as possible at the times of slaughtering.

No carcasses or parts of carcasses were found to be tuberculous or otherwise diseased.

### NOTIFICATION OF BIRTHS ACT, 1907.

This Act has not been adopted.

### HOUSING OF THE WORKING CLASSES ACTS, 1890-1909.

The following particulars show the work done by the Inspector in connection with the above Acts during the year:—

No. of dwelling-houses inspected under Section 17 of the Act of 1909...	130
„ dwelling-houses considered unfit for human habitation .....	2
„ Representations to Authority with a view to making Closing Orders.....	2
„ Closing Orders made.....	2
„ dwelling-houses in which defects were remedied without making Closing Orders .....	61
„ dwelling-houses put into a fit state of habitation after making Closing Orders .....	0
„ dwelling-houses demolished.....	0

The defects found to exist were general dilapidations, damp walls, insufficient ventilation, and defective or insufficient paving of yard surfaces.

Two of the houses only were found to be unfit for habitation, and on my representation Closing Orders were made.

Where defects were found notices were served on the owners under Section 94 P.H.A. 1875, and these have been mostly complied with at the end of the year.

## FACTORY AND WORKSHOPS ACT, 1901.

The sanitary condition of the workshops and workplaces has not called for any special action.

Section 22 of the Public Health Acts Amendment Act, 1890, is in force in the district, the standard for females being 1 to 20 employed; and for males, 1 to 30 employed.

No cases of overcrowding have been discovered, many of the places on the register being of recent construction and satisfactory in condition.

No case of infectious disease has arisen in connection with any of the places on the register.

Thirty-nine visits of inspection were made during the year to factories and workshops.

No breaches of sanitary requirements for bakehouses came under notice.

Only one of the bake-houses in the district is underground.

The Table supplied by the Secretary of State is appended, duly filled in.

D. W. DAVIDSON, M.B., Ch.B. (Glasgow),

*Medical Officer of Health.*

## 1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS  
OF NUISANCES.

PREMISES	Number of		
	Inspections	Written Notices	Prosecutions
Factories ... ..	18	...	...
Workshops ... ..	21	...	...
Workplaces ... ..	...	...	...
<b>TOTAL</b> ... ..	<b>39</b>	...	...

## 2.—DEFECTS FOUND.

PARTICULARS	Number of Defects			Number of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness ... ..	...	...	...	...
Want of ventilation ... ..	...	...	...	...
Overcrowding ... ..	...	...	...	...
Want of drainage of floors ... ..	...	...	...	...
Other nuisances ... ..	...	...	...	...
Sanitary accommodation {	insufficient ... ..	...	...	...
	unsuitable or defective ... ..	...	...	...
	not separate for sexes ... ..	...	...	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground Bakehouse (s. 101) ... ..	...	...	...	...
Breach of special sanitary requirements for Bakehouses (ss. 97 to 100) ... ..	...	...	...	...
Other offences ... ..	...	...	...	...
TOTAL ... ..	...	...	...	...



### 3.—HOME WORK.

Number of addresses of Outworkers—

Lists received from Employers (sending twice in the year) ... ..	
Outworkers (Workmen) ... ..	
Number of inspections of Outworkers' Premises ... ..	

### 4.—REGISTERED WORKSHOPS.

	Number
Workshops on the Register (s. 131) at the end of the year—	
Bakehouses ... ..	7
Laundries ... ..	1
Tailors and Dressmakers ... ..	4
Hamper Makers ... ..	2
Joiners and Wheelwrights ... ..	4
Smithy ... ..	1
Petroleum-Barrelling Works ... ..	6
Boot Repairing and Clog Making ... ..	4
Other Workshops ... ..	4
	—
Total number of Workshops on Register ...	33

### 5.—OTHER MATTERS.

Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5) :—

Notified by H.M. Inspector ... ..	—
Reports (of action taken) sent to H.M. Inspector ...	—
Underground Bakehouses (s. 101)—	
In use at the end of the year ... ..	1



TABLE I.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1914 AND PREVIOUS YEARS.  
BARTON-UPON-IRWELL RURAL DISTRICT.

YEAR	Popu- lation estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT.			
		Un- corrected Number	Nett		Number	Rate	Deaths of Non- residents registered in the District	Deaths of Residents not registered in the District	Under 1 Year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 nett Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1909	8980	234	234	26	103	11	3	13	20	85	113	12.5
1910	9100	214	214	23	88	9	6	19	22	102	101	11
1911	9225	208	211	22.7	118	12.7	5	15	20	94	128	13.8
1912	9338	200	202	21.7	101	10.9	10	21	6	29.7	112	11.9
1913	9532	197	199	20.8	112	11.7	6	14	22	110.5	120	12.5
1914	9752	191	197	19.8	104	10.6	9	16	19	96.4	111	11.3

Area of District in acres (exclusive of area covered by water) ..... } 6,865  
 Total population at all ages..... } 9,225  
 Number of Inhabited Houses ..... } 2,154  
 Average number of persons per house ... } 4.28  
 At Census of 1911.

TABLE II.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1914.

BARTON-UPON-IRWELL RURAL DISTRICT.

NOTIFIABLE DISEASES	NUMBER OF CASES NOTIFIED							TOTAL CASES NOTIFIED IN EACH LOCALITY	TOTAL CASES REMOVED TO HOSPITAL
	At all Ages	At Ages—Years.							
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65		
Small-pox	...	...	...	...	...	...	...	...	...
Cholera...	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...
Membranous croup	...	2	2	...	...	...	...	1	1
Erysipelas	...	...	...	2	4	5	...	1	...
Scarlet fever	...	13	21	11	1	1	...	11	18
Typhus fever	...	...	...	...	...	...	...	...	...
Enteric fever	...	...	1	...	...	...	...	...	1
Relapsing fever	...	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...	...
Puerperal fever	...	...	...	...	1	...	...	1	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	...	1	...	4	6	1	...	2	4
Other forms of Tuberculosis.	...	2	2	...	3	...	...	...	2
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...	...
Totals	83	18	26	17	15	7	...	16	30
							...		37
							...		28

Deaths in Hospital of Patients removed from this district :—Scarlet Fever 2.

Isolation Hospital—Name and Situation : { By arrangement with Salford Corporation at Ladywell Sanatorium and their Smallpox Hospital. Total available Beds 5, and 2 for Smallpox.

Number of Diseases that can be concurrently treated :—All Notifiable Infectious Diseases.

TABLE III.—CAUSES OF, AND AGES AT, DEATH DURING YEAR 1914.  
BARTON-UPON-IRWELL RURAL DISTRICT.

CAUSES OF DEATH		Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District									
All Causes	Certified Uncertified	All ages 1 year 2	Under 1 year 3	1 and under 2 4	2 and under 5 5	5 and under 15 6	15 and under 25 7	25 and under 45 8	45 and under 65 9	65 and up- wards 10	
		109	2	18	2	5	3	6	9	25	41
Enteric Fever	...	...	...	...	...	...	...	...	...	...	
Small-pox	...	...	...	...	...	...	...	...	...	...	
Measles	...	...	...	...	...	...	...	...	...	...	
Scarlet fever...	...	2	...	...	...	1	1	...	...	...	
Whooping-cough	...	2	1	...	1	...	...	...	...	...	
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	
Influenza	...	2	...	...	...	...	...	...	...	...	
Phthisis (Pulmonary Tuberculosis)	...	6	...	...	...	...	2	2	2	...	
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	
Other tuberculous diseases...	...	1	...	1	...	...	...	...	...	...	
Cancer, malignant disease	...	12	...	...	...	...	...	1	5	6	
Rheumatic Fever	...	...	...	...	...	...	...	...	...	...	
Meningitis	...	1	...	...	...	...	...	1	...	...	
Organic Heart Disease	...	10	...	...	...	...	1	1	4	4	
Bronchitis	...	10	1	...	...	...	...	...	1	8	
Pneumonia (all forms)	...	6	2	...	...	...	1	...	3	...	
Other diseases of Respiratory organs	...	...	...	...	...	...	...	...	...	...	
Diarrhoea and Enteritis	...	2	1	1	...	...	...	1	...	...	
Appendicitis and Typhlitis	...	1	...	...	...	...	...	...	...	...	
Cirrhosis of Liver	...	1	...	...	...	...	...	...	1	...	
Alcoholism	...	...	...	...	...	...	...	...	...	...	
Nephritis and Bright's Disease	...	3	...	...	1	...	...	...	2	...	
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	
Other accidents and diseases of Pregnancy and Parturition	...	...	...	...	...	...	...	...	...	...	
Congenital Debility and Malformation, including Premature Birth	...	4	4	...	...	...	...	...	...	...	
Violent Deaths, excluding Suicide	...	4	1	...	1	...	...	...	1	1	
Suicides	...	1	...	...	...	...	...	1	...	...	
Other defined diseases	...	39	7	...	...	2	1	2	5	22	
Diseases ill-defined or unknown	...	4	2	...	2	...	...	...	...	...	
All causes	...	111	19	2	5	3	6	9	26	41	
Sub-Entries included in above figures :		...	...	...	...	...	...	...	...	...	

Infantile Mortality during the Year 1914.

Nett Deaths

Nett Deaths from stated Causes at various Ages under One Year of Age.

CAUSE OF DEATH		Undr 1 Wk	1-2 Wks	2-3 Wks	3-4 Wks	Total under 1 Month	1-3 Mths	3-6 Mths	6-9 Mths	9-12 Mths	Total Deaths under 1 Year
All Causes { Certified Uncertified	...	3	1	2	...	6	4	3	5	..	18
	...	1	...	...	...	1	..	..	...	...	1
Small-pox	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	1	...	...	...	1
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...
Meningitis ( <i>not Tuberculous</i> )	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	1	...	...	...	1	...	1	1	...	3
Laryngitis	...	...	...	...	...	...	...	...	1	...	1
Bronchitis	...	...	...	...	...	...	...	...	2	...	2
Pneumonia (all forms)	...	...	...	...	...	...	...	1	...	...	1
Diarrhoea	...	...	...	...	...	...	...	1	...	...	1
Enteritis	...	...	...	...	...	...	...	...	...	...	...
Gastritis	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...
Atelectasis	...	...	1	...	...	1	...	...	...	...	1
Congenital Malformations	...	...	...	1	...	3	...	...	...	...	3
Premature Birth	...	2	...	1	...	1	2	...	1	...	4
Atrophy, Debility and Marasmus	...	...	...	...	...	1	1	...	...	...	2
Other Causes	...	1	...	...	...	...	...	...	...	...	...
		4	1	2	...	7	4	3	5	...	19

Nett Births in the year—Legitimate, 194; Illegitimate, 3. Nett Deaths in the year of Legitimate Infants, 19;  
Illegitimate Infants, none.

# Summary of Medical Officer's Report for 1914.

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What is the character of the Hospital accommodation : For Small-pox, by Contract with Salford Corporation ; for other Infectious Diseases, by Contract with Salford Corporation.

Is it Joint or otherwise?—Joint. Retaining fee paid and a sum per week for each patient.

Number of Beds available for your District : For Small-pox, 2 ; for other Infectious Diseases, 5.

Deaths in Hospital of patients from your District : Scarlet Fever 2.

How is Disinfection carried out—

Houses, Formaldehyde Gas : Number of Houses disinfected, 41.

Apparatus used for Clothing, Bedding, etc. (steam or otherwise) : Steam.

Where is Apparatus situated : Mode Wheel Disinfecting Station, Salford Corporation.

If Apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, etc., of Patients *not* removed to the Hospital?—Yes.

Are any Diseases not specifically mentioned in the Infectious Diseases Notification Act notifiable (for instance, Measles, Whooping Cough, Diarrhoea, Chicken-pox, Ophthalmia Neonatorum, etc.) ? If so, what are they?—Ophthalmia Neonatorum, Acute Poliomyelitis and Cerebro-Spinal Fever.

Number of Special Reports made under Art. 19 (15 and 16) Sanitary Officer's Order, 1910 : Nil.

Bacteriological Examinations. Number and nature of specimens examined : 11 ; 3 for swabs ; 8 for sputum.

Arrangement (if any) made under the Diphtheria Anti-toxin Order, 1910 ? Anti-toxin supplied free to poor patients.

“The Housing of the Working Classes Acts, 1890 to 1909 ”—

Has your Authority determined the procedure to be adopted for the inspection of your District as required by Article 1 of the Regulations? Yes.

Has your Authority prepared, as required by Article 1 (3), a list of dwelling-houses, the early inspection of which is desirable?—These are known.

Has your Authority designated an officer to undertake the special inspection of houses and to keep the records stipulated by Article 2. If so, what officer?—Sanitary Inspector.

Have the necessary books, forms, etc., for keeping the required records been obtained?—Yes.



Action taken in 1914 :—

Number of Dwelling-houses inspected .....	130
„ Dwelling-houses considered unfit for human habitation .....	2
„ Representations to Authority with a view to making Closing Orders .....	2
„ Closing Orders made .....	2
„ Dwelling-houses in which defects were remedied without making Closing Orders .....	61
General character of defects found to exist: Damp walls, insufficient ventilation, paving and general dilapidations.	

Is there a deficiency of housing accommodation? If so, where, and to what extent?—No evidence of shortage of houses.

Number of New Houses built during 1914.—By private enterprise, 38.

Source of the Water Supply.—Manchester and Bolton. What is its condition?—Good. Possibilities of contamination?—None known. Any insufficiency, and where?—No.

Is Scavenging and Removal of House Refuse carried out satisfactorily for whole of district?—Yes. How performed (by Sanitary Authority, Contract, or Occupiers of houses)?—By Sanitary Authority in Flixton (Contract for team labour only), by Contract in Clifton and Davyhulme, and by Occupiers in Barton Moss.

How is the Refuse disposed of?—At Refuse Tips and Farms. Has a Destructor been provided?—No.

Sewage Disposal Works—Method of Treatment: Clifton—Detritus Tanks and Continuous Filters. Davyhulme—Treated by Manchester Corporation at their Davyhulme Sewage Works. Flixton—Sewage is treated at the works provided jointly with the Urnston Urban District Council. What is the character of the Drainage System?—Partially separate. Areas, or Townships, without proper Drainage System?—Portion of Davyhulme. Action taken—Drain Testing, Flushing, etc.?—Flushing chambers provided for sewers in Davyhulme; all new drains tested with water.

Action taken with regard to the Pollution of Streams: Nil.

Canal Boats: Number inspected.—Nil.

What is the condition of the Bakehouses?—Good.

What is the condition of the Slaughter Houses?—Fair. Has a Public Abattoir been provided?—No.

What is the condition of the Lodging Houses?—Nil.

What is the Sanitary condition of the Schools?—Fair.

Dairies, Cowsheds, and Milkshops—

Are they periodically inspected?—Yes. What is their condition?—In fair condition.

Have Regulations been made under the order of the L.G.B.?—Yes. Are they enforced? Yes.

Amount of air space in cubic feet required for each cow: 600 ft.

Number of Cowkeepers?—Number on Register, 24. Number of inspections during year, 94.

Number of Dairymen or Purveyors of Milk (other than Cowkeepers), 30.  
Number on Register, 30.

Any arrangements for veterinary inspection of dairy cows?—No.

Action taken (if any) as to tuberculous milk?—Nil.

Total amount of Food seized as unfit for human consumption?—Nil. Number of Carcases and parts of Carcases condemned for Tuberculosis?—Nil. Number of legal proceedings and result?—Nil.

Department of Inspector of Nuisances.—Number of Notices served: 92. Nuisances remedied, 477. Number of legal proceedings taken and result?—Two applications for ejectment orders under Housing Town Planning Act: Granted.

Closet accommodation of the District.—Number of Privy Middens, approx. 570; Pail Closets, 140; Fresh Water Closets, 1,280; Waste Water Closets, 12; Number of Privy Middens converted during 1914 to Water Closets, 57; Number of Pail Closets converted to Water Closets, Nil; Does Council contribute towards the cost of conversion of either privies or pail closets, or both? If so, how much?—No. What kind of closet accommodation is being provided for *new* property?—Water closets.

Smoke.—Number of observations?—Twenty-nine. Number of Legal Proceedings taken and result, Nil. What is the time limit allowed for the emission of black smoke per hour?—No time limit fixed.

Has the Authority adopted—

The Infectious Disease (Prevention) Act, 1890?—Yes.

The Public Health Acts Amendment Act, 1890?—Yes.

The Public Health Acts Amendment Act, 1907?—No.

The Notification of Births Act, 1907?—No.

Has a Health Visitor been appointed?—No.

Has any, and if so, what action been taken respecting Child Welfare Work?—No.

Notable Sanitary Improvements during 1914.—Completion of re-drainage of houses in sewered portion of Davyhulme.

Chief Sanitary requirements of District.—No. 2 Sewerage Scheme, Davyhulme.



# SURVEYOR'S REPORT.

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SURVEYOR'S OFFICE,

PATRICROFT,

*February 8th, 1915.*

*To the Chairman and Members of the  
Rural District Council of Barton-upon-Irwell.*

GENTLEMEN,

I beg to submit my report upon the works carried out in your District during the year 1914.

## FLIXTON PAROCHIAL COMMITTEE.

THOS. WORTHINGTON WRIGHT, Esq., Chairman.

### BYE-LAW PLANS.

Plans have been laid before the Committee and approved for :—

New Streets		Dwelling Houses		Other Buildings
0		12		5

The number of dwelling-houses erected in Flixton during the past year was 17.

The following Table gives the number of houses erected during the last ten years :—

1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
79	63	24	19	26	21	32	23	23	17

### HIGHWAYS.

The Parochial Committee has under its charge 6 miles, 6 furlongs, and 127 yards of highways, comprising 4 miles, 3 furlongs, and 100 yards of secondary roads, *i.e.* roads towards

the cost of which the County Council makes a grant in aid; and 2 miles, 3 furlongs and 27 yards of Other Roads, which are maintained by the Parochial Committee.

The roads are as follows :—

Roads	County Council Reference No.	Grant	Name of Road	Length		
				Miles	Furlongs	Yards
Secondary Roads	350	£ 100	Irlam .....	2	4	112
			Church .....			
			Flixton .....			
	351	24	Woodsend .....	...	6	99
	352	46	Flixton .....	...	6	44
	361	20	Carrington Road .....	...	2	65
				4	3	100
Other Roads.....			Goldsworthy Road ..	...	...	177
			Whitelake Avenue ..	...	...	290
			Moorside Road .....	...	1	176
			Western „ .....	...	1	88
			Brook „ .....	...	1	198
			Chassen „ .....	...	3	198
			Lime Avenue ..	...	...	188
			The Hollies .....	...	...	72
			Back Streets .....	...	1	11
			Princess Road .....	...	1	124
			Back Barton Avenue.	...	...	...
			North and South ..	...	...	77
			Alderley Road ..	...	...	213
			Barnfield .....	...	1	39
			Delamere Road .....	...	...	179
			Albert Grove .....	...	...	120
			Victoria Avenue .....	...	...	77
				2	3	27

The following works have been carried out during the past year :—

#### FLIXTON ROAD (Part of Secondary Road, No. 350).

From the railway station to Irlam Road the macadam side has been scarified, covered with broken stone and steam rolled part of the surface drainage repaired, also the channel relaid, at a cost of £81 1s. 1d.

### CHURCH ROAD (Part of Secondary Road, No. 350).

From the Golf Club towards Urmston, for a length of 400 yards, the roadway has been scarified and covered with broken stone and steam rolled, at a cost of £88 6s. 5d.

### FLIXTON ROAD (Secondary Road, No. 352).

From the end of Irlam Road to Delamere Road 140 yards of new channel have been paved in, and a field drain placed behind the channel to intercept the land water. The roadway has been scarified and covered with broken stone and steam rolled, at a cost of £95 16s. 5d.

Also, from Delamere Road to Brook Road the roadway has been scarified, covered with macadam, and steam rolled, at a cost of £48 4s. 11d.

A length of footpath, amounting to 217 yards, from Brook Road to near the end of Chassen Road has been flagged with concrete flags, at a cost of £77 14s. 3d. Messrs. Snape & Sons, Eccles, were the contractors.

### CHASSEN ROAD (Other Roads).

From the junction with Church Road towards the railway 150 yards of roadway have been macadamized.

New kerbs 12in. by 7in. and 18in. wide paved channel have been laid.

The surface water sewer has been repaired and 30 yards added to its length.

Six gullies and grids have also been fixed and the necessary branch drains laid thereto.

The cost of the above works was £99 12s. 4d.

### BROOK ROAD (Other Roads).

A length of 150 yards of roadway from Flixton Road has been scarified, coated with macadam, and steam rolled, at a cost of £28 16s. 7d.

## IRLAM ROAD IMPROVEMENT.

The County having granted £80 towards the cost (total estimate, including land, £290) of improving Irlam Road, near the end of Woodsend Road, this work is in hand, and will be completed before the end of the financial year.

## PRIVATE STREET WORKS.

Plans for the improvement, asphaltting, kerbing, draining, and making up of Clarendon Road, Brighton Avenue, and back streets off these roads, have been prepared and approved by you. A Local Government Board inquiry was held on the 18th August, 1914, into the application to borrow £1,432 for the above works, by R. H. Bicknell, Esq., M.Inst.C.E., and sanction having being duly received tenders have been invited for the works, but, owing to the financial difficulties caused by the War, these have not yet been considered but have been deferred for the present.

On 2nd March, 1914, I submitted plans and estimates of cost of making up Victoria Road at a cost of £798 16s. 5d., and notices have been served, but no inquiry as to the necessary loan for the works has yet been held.

On 14th September, 1914, plans and estimates of cost of making up passages off Carrington Road, Birch Grove, and Morris Grove, amounting to £465 3s. 3d., were approved by you and notices served upon owners.

## NEW SEWER IN CHASSEN ROAD.

New properties being in course of erection in Chassen Road for Mr. Forshaw, the necessity of the provision of a sewer to receive the drainage from these has arisen, and the Urnston and Flixton Joint Drainage Committee, on your request, are taking the necessary steps for this being constructed.

A Local Government Board inquiry has been held hereon, but sanction to the loan necessary (£765) has not yet been received.

## DAVYHULME PAROCHIAL COMMITTEE.

R. K. WADSWORTH, Esq., Chairman.

During the past year Byc-law Plans for the following have been laid before and approved by the Committee:—

Dwelling Houses 66	Works and sundry Buildings 25	New Streets 2
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The following Table gives the number of houses erected in Davyhulme during the past ten years:—

1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
8	0	0	3	4	2	6	0	7	12

## HIGHWAYS.

The Committee has under its charge 5 miles 1 furlong and 56 yards of highways, made up of Secondary Roads receiving a grant from the County Council in aid, and other roads, the cost of which is wholly borne by the Committee, as follows:—

Roads	County Council Reference No.	Grant	Name of Road	Length		
				Miles	Furlongs	Yards
Secondary Roads	351	£ 42	Davyhulme Road ...	1	3	7
	351	12	Crofts Bank Road ...	...	3	30
	349	18	Moss Road ... ..	...	2	109
				2	0	146
Other Roads			Redclyffe Road ... ..	...	5	130
			Bent Lanes ... ..	1	1	...
			Moorside Road ... ..	1	2	..
				3	..	130

No Private Street Improvements have been carried out during the past year, but sanction has been granted to a loan for

£1,112 for paving, asphaltting, flagging, and draining Chapel Place and passages adjoining. Owing to the financial position due to the War these works have not yet been proceeded with.

The following works have been carried out on the highways during the past year :—

#### DAVYHULME ROAD (Part of Secondary Road, No. 351).

At the corner of Bent Lanes two new gullies and grids have been fixed and channel repaired, at a cost of £15 6s.

Opposite Rose Avenue, in Davyhulme Road, a crossing has been paved in and new kerb and channels laid for a length of 60 yards, and the macadam made good, at a cost of £45 12s. 9d.

From the Methodist Chapel towards Davyhulme a length of 325 yards of the footpath has been laid with limestone asphalt, at a cost of £47 15s. 4d.

#### MOSS ROAD (Secondary Road No. 349).

In this road a length of 70 yards of new kerb and channel has been laid, two new gullies and grids have also been fixed, the whole costing £33 2s. 1d.

#### CROFTS BANK ROAD (Part of Secondary Road, No. 351).

In this road, near the Urmston boundary, the surface water sewer has been cleaned out and repaired. Twelve new gullies and grids have been fixed and new branch drains laid in.

New kerbs on the east side have been laid, 400 lineal yards of new channel have been paved in 18 inches wide, the roadway has been scarified for a length of 200 yards, coated with macadam and steam rolled, at a total cost of £106 1s.

#### REDCLYFFE ROAD (Other Roads).

At the corner of Barton Road the above road has been widened to 42 feet. 150 yards of new kerb have been laid and 18in. wide channels paved, the roadway has been ballasted,



macadamized, and steam rolled, and six new gullies fixed. Mr. Lond's boundary wall has been rebuilt by him. The whole cost amounted to £167 3s. 8d.

#### CORNHILL ROAD (Other Roads).

Near Mrs. Beck's house the widening of the road has been completed. New channels have been paved in, five gullies and grids fixed with the necessary branch drains thereto, the roadway macadamized and steam rolled, at a total cost of £178 11s.

#### DAVYHULME MAIN DRAINAGE.

During the past year the gaugings of sewage flow to the Davyhulme Sewage Works have been continued, and are as follows from the date of the commencement of treatment of sewage :—

TABLE OF GAUGINGS.

DATE	No. of Houses connected	Depth on V. Weir, Inches and Decimals	Gallons per Minute	Total Volume per 24 hours, including Sub-soil Water	Gallons per Head per day	REMARKS
1913.						
June 12 & 13 ...	69	1·93	9·714	13,970	40·49	Pumping commenced on 10th May, 1913
July 9 & 10 ...	75	1·8966	9·272	13,352	35·60	
Aug. 7 & 8 ...	86	1·785	7·99	11,492	26·72	
Sept. 4 & 5 ...	97	1·713	7·201	10,370	21·38	
Oct. 2 & 3 ...	105	1·717	7·242	10,430	19·86	
Oct. 31 & Nov. 1	115	1·921	9·59	13,810	24·02	Rain previous 2 days
Nov. 27 & 28 ...	126	1·813	8·301	11,954	18·97	Rain 5 hours during gauging
Dec. 23 & 24 ...	133	1·965	10·148	14,614	21·9	Rain during gauging
1914.						
Jan. 22 & 23 ...	141	2·109	12·11	17,440	24·73	Rain previous 2 days
Feb. 19 & 20 ...	152	2·147	12·67	18,247	24·01	
Mar. 19 & 20 ...	154	2·48	18·10	26,152	33·1	
April 16 & 17 ...	157	2·149	12·69	18,279	23·28	
May 14 & 15 ...	160	2·174	13·066	18,815	23·52	
June 11 & 12 ...	160	2·455	17·70	25,491	31·86	41 ins. rain during gauging
July 9 & 10 ...	171	1·979	10·33	14,875	17·4	Rain during gauging
Aug. 6 & 7 ...	178	2·048	11·25	16,206	18·2	
Sept. 4 & 5 ...	181	2·047	11·24	16,186	17·88	
Oct. 1 & 2 ...	181	2·114	12·18	17,543	19·38	
Oct. 29 & 30 ...	182	2·068	11·52	16,605	18·25	
Nov. 27 & 28 ..	182	2·528	19·05	27,435	30·14	Heavy rain 2 prev. days
December ...	...	No	Readings	...	...	



Your sewers are in good condition, and town's water has been connected to the four flushing tanks at Calderbank, Moorside Road, Crofts Bank Road, and Barton Road in case of dry periods requiring an additional supply of water to that derived from Carr's Ditch.

#### NEW DEPÔT BUILDINGS, CROFTS BANK.

Your new buildings have now been completed and in use for some months. The benefit in all ways is very great, stores, lamps, etc., being conveniently and economically handled. The total cost has been—for the building, £329 2s., and furnishing, £23 10s. 11d.

#### DAVYHULME MAIN DRAINAGE (No. 2 Section).

Owing to recent events in Trafford Park and other reasons, the sanction received from the Local Government Board last year has not yet been made use of by the works being put in hand, and it has been found necessary to defer them pending the possible increase in the diameter of the outfall sewer, owing to the requirements of Messrs. Guinness & Co., of Dublin, who are about to erect extensive brewery buildings in Trafford Park.

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#### CLIFTON.

You have one Secondary Road (No. 326), Rake Lane, for which you receive a grant from the County Council of £40.

The length of this road is 1 mile, 0 furlongs and 136 yards.

The following is a list of the other roads and highways which are maintained by you :

	Fur.	Yds.
Billy Lane .....	1	80
Vickers Street .....	0	158½
Berry Street .....	0	102½
Richmond Street .....	0	45
Holt Street .....	0	44
Back Richmond Street .....	0	24
Back Manchester Road, South .....	0	113
Back Manchester Road .....	0	45
Lomax Street .....	0	110
Back Berry Street .....	0	45
Gaskell Street .....	0	66½
Back Vickers Street .....	0	100
Rose Hill Street .....	0	108¾
Side Street A .....	0	20
Back Passage off Holt Street .....	0	17
Wroe Street .....	0	110¾
Lomas Street, off Wroe Street .....	0	27
Back Manchester Road, off Wroe Street .....	0	30
Back Manchester Road, off Wroe Street .....	0	27
Cotton Street .....	0	56
Fitton Street .....	0	88½
Battery Street .....	0	108
Back Fitton Street, South .....	0	37½
Clough Street .....	0	65
Back Fitton Street, North .....	0	33¾
Back Cotton Street .....	0	38
Back Manchester Road, North .....	1	72¾
Side Street No. 1 .....	0	89
Side Street No. 2 .....	0	29
Thomas Street .....	0	29
Side Street No. 4 .....	0	29
Side Street No. 5 .....	0	29
Back New Rake Lane .....	0	10
Miles .....	<u>2</u> <u>5</u>	<u>120</u>

Plans for six extensions to buildings have been approved during the past year.

The following Table gives the number of houses erected in Clifton during the last ten years :—

1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
0	0	0	3	0	1	0	2	4	5

#### COPPICE CLOUGH SEWAGE WORKS.

Owing to the War and other circumstances the reconstruction of the above works has not yet been commenced.

The effluents from these works have been, generally speaking, very satisfactory, and the analyses of the Mersey and Irwell Joint Committee have been as follows:—

February 11th ... ..	54 grains of Oxygen absorbed, 4 hours test (Classed as a fair effluent).
December 10th .....	32 grains of Oxygen absorbed, 4 hours test (Classed as a good effluent).

#### UNITY BROOK SEWAGE WORKS.

The effluents from these works are generally satisfactory. No analyses of effluent from these works has been reported by the Mersey and Irwell Joint Committee during the past year.

Aluminoferrie Cake is used continuously to cause the subsidence of solid matters, and is efficient in this.

#### MAIN SEWERS.

The lengths of your Main Sewers are as follows:—

	M.	F.	YDS.
Main Trunk Sewers .....	1	3	96
New intercepting Sewer .....	0	1	180
Tributary Sewers ... ..	1	3	187
Total .....	3	1	23

The main sewers are constantly receiving attention, and are flushed and cleansed weekly.

The maintenance of highways, sewers, and other works, supervision of new buildings and drains, sewage outfall works and other sundry works have been duly carried on throughout your District during the year.

I am, Gentlemen,

Your obedient Servant,

A. H. MOUNTAIN,

*Assoc. M. Inst. C.E.,*

Surveyor.

# SANITARY INSPECTOR'S REPORT.

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UNION OFFICES,

PATRICROFT,

*March, 1915.*

*To the Chairman and Members of the*

*Rural District Council.*

GENTLEMEN,

I beg to submit my Third Annual Report as Sanitary Inspector for the Rural District of Barton-upon-Irwell.

During the past year the work has naturally increased with the growth of the district, while the standard of efficiency has been maintained.

I have endeavoured as far as possible, without clerical assistance, to keep a record of the various matters dealt with, although a vast amount of my time is taken up with clerical work and also supervising sanitary operations.

The numerous improvements effected have been carried out with very little friction. It was necessary in only one instance during the year for the Council to carry out work where the owner failed to comply with notices served under Sections 36 and 23, Public Health Act, 1875, and under the Housing, etc., Act, 1909, two ejectment orders were applied for and granted in cases where closing orders had become operative and the occupiers refused to quit the premises.

A summary of the work done is shown in the following Table, so far as it is possible to put the same in tabular form.

TABLE I.

	Barton Moss	Davy- hulme	Flixton	Clifton	Total
I.—COMPLAINTS RECEIVED.....	...	10	15	5	30
II.—INSPECTIONS MADE—					
Dwelling Houses .....	...	42	137	65	244
Schools .....	...	3	2	2	7
Yards .....	...	55	135	101	291
Privies and Ashpits.....	...	36	71	93	200
Drainage.....	5	141	31	4	181
Water Courses .....	...	6	6	...	12
Dairies, Cowsheds, and Milkshops ...	14	26	28	26	94
Factories .....	...	12	6	...	18
Workshops .....	...	9	8	4	21
Slaughterhouses .....	...	...	45	19	64
Knacker's Yard .....	...	15	...	...	15
Refuse Tips .....	...	4	41	11	56
Smoke Observations .....	...	24	5	...	29
Re-inspections .....	10	97	128	40	275
Miscellaneous Inspections ..	7	60	86	17	170
Interviews with Owners and Con- tractors .....	...	16	26	5	47
III.—INFECTIOUS DISEASES—					
No. of Cases Inquired Into .....	...	16	30	37	83
,,       Removed to Hospital ...	...	11	7	10	28
Revisits to Cases Isolated at Home...	...	8	15	14	37
No. of Houses Disinfected .....	...	10	20	11	41
,,       Schools Disinfected .....	...	...	1	...	1
IV.—PRIVIES, WATER CLOSETS, &C.—					
Privies Repaired .....	...	...	...	...	...
Privies Converted to W.C.'s .....	...	14	43	...	57
Additional W.C.'s Provided .....	...	4	3	...	7
Privy Middens abolished .....	...	7	27	...	34
Pail Closets provided .....	...	...	1	...	1
New or Additional Dustbins Provided	...	9	54	...	63
V.—MISCELLANEOUS—					
Houses Repaired .....	...	1	22	26	49
,,       Cleansed .....	...	1	21	23	45
,,       Ventilated or Ventilation improved .....	...	...	17	17	34
,,       Closed .....	...	2	...	...	2
Overcrowding Abated.....	...	1	1	2	4
Water laid on to Houses .....	...	...	2	...	2
House Drains connected with Sewer	...	33	4	2	39
,,       Repaired or Reconstructed	...	36	40	3	79
Schools Drained and connected with Sewer .....	...	1	...	...	1
Other Buildings Drained and con- nected with Sewer .....	...	1	...	...	1

TABLE I.—(Continued).

	Barton Moss	Davy- hulme	Flixton	Clifton	Total
V.—MISCELLANEOUS—(Continued).					
House Drains Tested .....	...	...	35	...	35
Water Test applied to New Drains...	...	62	31	...	93
Yard Surfaces Paved or Repaired ...	...	15	38	19	72
Urinals Reconstructed .....	...	2	1	...	3
Improper Keeping of Pigs—Removed	...	...	...	1	1
Accumulations Removed .....	...	2	...	...	2
Slaughterhouses Limewashed ..	...	...	4	4	8
Cowsheds Ventilated or Ventilation					
Improved .....	...	...	4	2	6
,, Provided with Additional					
Light .....	...	...	3	2	5
,, Drained .....	1	1	2	1	5
Cesspools provided .....	1	...	2	...	3
Smoke Nuisances Abated .....	...	3	1	...	4
Notices Served (Informal) .....	...	47	103	41	191
,, (Statutory) .....	..	50	37	5	92

The number of statutory notices served, as stated in the foregoing Table, were :—

TABLE II.

Section 23, Public Health Act, 1875 ...	...	...	...	16
,, 36,           ,,           ,,           ,, ...	...	...	...	25
,, 94,           ,,           ,,           ,, ...	...	...	..	49
Closing Orders under Housing, Town Planning Act, 1909 ...	2			
Total ...	...	...	...	92

With a few exceptions these notices have all been complied with, and the small number outstanding at the end of the year are in hand.

## CLIFTON.

The collection and disposal of domestic refuse in this part of your district is still carried out under contract, and the work continues to be done in a fairly satisfactory manner.

The dustbins and pail closets are emptied weekly, and the privies and ashpits at least four times a year.



The dry refuse from the bins is disposed of at a tip provided by the contractor, while the excreta, etc., from the privies is used for agricultural purposes.

Twenty-six houses have been repaired, 17 houses provided with additional ventilation, 23 houses cleansed, and 19 yards paved or existing paving repaired.

### DAVYHULME.

The removal and disposal of domestic refuse in this Township is also carried out under contract, and the work is done in a fairly satisfactory manner. A few complaints have been received during the year in connection with this work, more particularly from the Trafford Park area; but I am afraid these cannot altogether be avoided under the present conditions.

The dustbins and pail closets are emptied weekly, and the privies and ashpits not less than four times a year.

Fourteen water closets and nine dustbins have been substituted for privies and middens, and four additional water closets provided.

The work of redrainage of houses and connecting with the the sewers has steadily gone on throughout the year. The number of houses so drained being 33, also one school and one other building. I think the whole of the houses in the sewered portion of the district which can be dealt with have now been efficiently drained.

The water test was applied on 62 occasions during re-drainage operations.

The No. 2 scheme for the sewerage of the remaining portion of the Davyhulme area is still in abeyance; certain difficulties

have arisen to prevent the work going on. It is to be hoped, however, that this matter will be pushed forward as quickly as possible so that the drainage and closet accommodation at the property in this portion of the Township can be dealt with in a more efficient way and the area put into a much more sanitary condition than at present prevails.

Twenty-four smoke observations have been taken during the year. Trafford Park being an industrial area, the greater number were taken in this part of the district. In a few instances notices were served to abate nuisances caused by the emission of black smoke, but it has not been necessary, so far, to resort to legal proceedings.

The three works under the heading of offensive trades in Trafford Park are conducted in a suitable way; no serious complaints having been received in connection with these. Twenty visits were made to these premises.

One license for a knacker's yard in connection with one of the above works was renewed.

### FLIXTON.

The collection and disposal of domestic refuse in this Township is carried out under contract for team labour, the manual work being done by men directly employed by the Council. The work during the past year has been done in a very satisfactory manner. The number of complaints received in connection with this work only reached eleven, which is rather higher than the previous year, but considering the size of this district the number is very low, and shows the efficient way in which the work is dealt with.

The following Table gives the number of loads of refuse removed from ashpits, privy middens and dustbins :

TABLE III.

Month.	Number of loads from Dust Bins.	Number of loads from Dry Ashpits and Privy Middens	Total Number of loads
January .....	73	64	137
February .....	72	50	122
March .....	89	50	139
April .....	76	57	133
May.....	75	57	132
June .....	91	54	145
July.....	77	61	138
August .....	81	59	140
September.....	70	52	122
October .....	69	44	113
November .....	77	37	114
December .....	78	45	123
Total... .	928	630	1558

In addition to the above figures, a horse, cart and man have been engaged on the tip for 20 days during the year in carting soil from the bottom and covering the top portion of the tip; by this arrangement the tip is kept in good condition and does away with an unsightly appearance. A man is also employed during a portion of each week to keep the tip in order.

Forty-three water closets were substituted for privies, 27 privy middens abolished, three additional water closets and 54 new or additional dustbins provided.

Forty house drains have been repaired or re-constructed, and four house drains connected with the sewer.

The drains of 35 houses were tested with smoke, and the water-test was applied in 31 instances during re-drainage operations.

Thirty-six yards have been paved or existing paving repaired. The ventilation of 17 houses was improved, and 21 houses were cleansed.

#### SLAUGHTER-HOUSES.

The number of licensed slaughter-houses remains the same as last year, viz.:—Four. Two in Flixton and two in Clifton.

Sixty-four visits were made to these premises, which are kept in a fairly good condition. No diseased or unsound meat was found.

#### DAIRIES AND COWSHEDS.

The number of names on the register as Cowkeepers or Purveyors of Milk are :—

Barton Moss.	Clifton.	Davyhulme.	Flixton.	Purveyors of Milk from other Districts.	Total.
5	11	11	16	11	54

Ninety-four visits were paid to these premises during the year, and although many of the cowsheds do not come up to modern construction, with few exceptions they are kept in a fairly clean condition and regularly lime washed. The occupiers attention is drawn to any breach of the regulations noticed at the time of visiting, and a number of improvements have been effected as regards light, ventilation and drainage of cowsheds. The practice of a few of the cowkeepers in allowing large accumulations of manure in close proximity to the shippens requires improvement; in most cases this is done no doubt for convenience; at the same time it is very objectionable.

#### INFECTIOUS DISEASES.

The number of cases of infectious disease notified, other than Tuberculosis, will be seen on referring to the following Table, also a comparison with previous years.

TABLE IV.

Name of Disease	1909	1910	1911	1912	1913	Average for 5 years	1914
Scarlet Fever.....	50	61	22	32	7	34.4	47
Diphtheria .....	5	15	10	7	5	8.4	4
Puerperal Fever .....	2	...	...	1	...	.6	1
Enteric Fever .....	5	3	2	1	3	2.8	1
Erysipelas .....	5	2	6	3	3	3.8	11
Ophthalmia Neonatorum	..	2	1	...	2	.1	...
Total.....	67	83	41	44	20	51	64

Table V. gives a monthly record of all the cases of infectious disease occurring in each Township.

TABLE V.

Nature of Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
BARTON MOSS.—Nil.													
	...	...	...	...	...	...	...	...	...	...	...	...	...
	..	...	...	...	...	...	...	...	...	...	...	...	...
CLIFTON.													
Scarlet Fever ...	...	5	...	3	2	...	4	1	1	1	...	1	18
Diphtheria .....	...	...	1	...	...	...	...	...	...	...	...	...	1
Enteric Fever ..	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	1	1	2	2	...	...	...	...	...	...	...	1	7
Pulmonary													
Tuberculosis	1	...	1	1	..	...	1	1	...	1	...	...	6
Other forms of													
Tuberculosis	...	..	...	2	2	...	...	...	1	...	..	...	5
Total.....	2	6	4	8	4	...	5	2	2	2	..	2	37
DAVYHULME.													
Scarlet Fever....	1	...	1	1	1	...	...	..	...	2	3	2	11
Diphtheria .....	...	...	...	..	1	...	...	...	...	...	...	...	1
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	1	...	...	...	...	...	1
Erysipelas .....	...	...	...	...	...	...	...	...	...	1	...	...	1
Pulmonary													
Tuberculosis	...	1	1	...	...	...	..	...	..	...	...	...	2
Other forms of													
Tuberculosis	...	...	...	..	...	...	...	...	...	...	...	...	...
Total.....	1	1	2	1	2	...	1	...	...	3	3	2	16
FLIXTON.													
Scarlet Fever....	...	2	...	*1	3	3	2	2	..	4	1	...	18
Diphtheria.....	...	...	...	1	...	...	...	...	...	...	...	1	2
Enteric Fever ...	...	...	...	..	...	...	...	...	...	...	..	1	1
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	...	...	1	...	...	...	...	...	...	2	...	...	3
Pulmonary													
Tuberculosis	...	1	...	...	...	2	...	...	...	...	1	...	4
Other forms of													
Tuberculosis	...	...	...	...	1	...	...	...	..	...	...	1	2
Total.....	...	3	1	2	4	5	2	2	...	6	2	3	30
Total for all Districts...	3	10	7	11	10	5	8	4	2	11	5	7	83



Owing to the increased number of cases of Scarlet Fever notified, an equal increase in the amount of work has fallen on the department.

Eighty-three visits and reports have been made of diseases notified, whilst re-visits have also been made where the patients were isolated at home.

Twenty-eight cases of Infectious Disease were removed to Hospital during the year. Of these, 26 were suffering from Scarlet Fever, 1 from Diphtheria, and 1 from Puerperal Fever.

Bedding from 46 houses has been steam disinfected at Mode Wheel Disinfecting Station, and 41 houses were fumigated with formalin.

The free distribution of Disinfectants from convenient centres in each Township still continues.

#### HOUSING, TOWN PLANNING, &C., ACT, 1909.

One hundred and thirty houses were inspected during the year under the above Act, against 75 in 1913.

The number inspected in each Township were :—Flixton 89, Clifton 24, and Davyhulme 17.

Two houses only were found to be in such a state as to be unfit for habitation, and closing orders were made.

The general character of defects found to exist were damp walls, insufficient ventilation, defective roofs, floors, plastering, eaves gutters, and down spouts, and insufficient or defective paving.

Forty-two notices representing fifty houses were served under section 94, Public Health Act, 1875, where defects were found to exist, and with a few exceptions the whole of the requirements have received attention at the end of the year. In two other instances, representing twenty-three houses, the



owners attention was drawn by letter to the necessary requirements, and my recommendations were carried out without notices being served.

#### HACKNEY CARRIAGES.

Two Hackney Carriage and two Drivers' Licenses were renewed in Flixton. No application was made for renewal of licenses previously issued in Trafford Park for Taxi-Cabs.

No complaints have been received in connection with these.

#### PETROLEUM ACTS.

One additional License was granted in Trafford Park for storage of carbide of calcium and generating acetylene.

The number of Licenses granted during the year for storage under the above Acts was as follows:—

Davyhulme.....	Petroleum or other Spirit .....	7
„ .....	Carbide of Calcium.. .....	2
Flixton .. .....	Motor Spirit .....	1
		<hr/>
		10

Frequent and irregular visits were made to these premises, and it was only necessary in one instance to draw attention to a slight infringement of the regulations.

#### PUBLIC LIGHTING.

In Davyhulme 26 additional lamps were erected, viz.:—14 Ashburton Road, 10 Trafford Park Road, 1 Lostock Road, and 1 Dalveen Avenue. In addition, the majority of the upright burners have been dispensed with and inverted burners substituted.

In Flixton, one additional lamp has been provided in Brooklyn Avenue.

In Clifton and Barton Moss no change has been made.

The number of lamps in each Township is shown in the following Table :—

TABLE VI.

District	Number of Lamps	Gas Supplied by
Barton Moss.....	17	Salford Corporation
Clifton .....	62 8	Salford Corporation Clifton and Kearsley Coal Co.
Davyhulme .....	22 149 6	Salford Corporation Stretford Gas Company Oil Lamps
Flixton .....	172	Stretford Gas Company
Total for all Districts...	436	

In conclusion, I wish to express my thanks to the Chairman and Members of the Council and the Parochial Committees for their unanimous support ; also to Dr. Davidson for his valuable counsel and assistance at all times.

I am, Gentlemen,

Your obedient Servant,

ROBT. G. CHILD, M.S.I.A.,

Sanitary Inspector.

